

SCORPION®



Welcome in Scorpion company!

We are family business, which are involved in production of machines to processing herbs, tea, spices, roots, dried fruits and dried vegetables. Scorpion exists in small town Rozdrażew in Poland since 26th of Mai 1997. Current we deliver our products to clients all over the world.

SCORPION®

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Company SCORPION specializes in producing machines, which are used to process herbs, spices, tea, dried vegetables, dried fruit, bark, roots, tobacco, material seized at slaughterhouse, secondary raw material (for example copper, plastic), wood waste. For herb industry we produce among others equipment to crumbing- vertical cutting machines, rotary slicers, crushing and grinding machines. We offer separators of sift to cleaning- oscillatory, weight separator- pneumatic tunnel. Our other machines are mills, normal, scooping and broken feeders, fans, granulators, mechanical washers, high storage containers, filter cyclones, mixers, conical mixers, sterilizers, which use dried steam and humidifiers.

For wood waste process we offer chipper, briquetting machines, separators and cutting machines.

For material seized at slaughterhouse process (wet feathers, bones, intestines etc.) we produce grinding machines, feeders, reactor. Notice, that we are first company in Poland, which manufacture cutting machines for wet feathers.

Our machines are used in bakery for example a turntable for rolls and conveyor belts.



We do spare parts to machines: gears, chain wheels and worm wheels, bearing housing, knives.

Projects, which are accomplished by us, include small pieces of technological line and whole line. Examples can be single machine from our offer and whole cutting, milling, sterilization, granulation, briquetting lines. If client need other models of machine or untypical line, we'll do it. All machines are covered two-years guarantee and post-warranty service.



Separator M-2



Filer cyclone

Our machines operate in leading Polish herbal and tea companies and also operate in Spain, Germany, Czech Republic, Slovakia, Ukraine, Lithuania, Russia, Albania, Macedonia, Bulgaria, Romania, Croatia, Kazakhstan, Sudan, Egypt, Morocco, Lesotho, Nigeria, Brazil, France, Netherlands, Italy, Hungary.



Company SCORPION puts a lot of emphasis on needs and expectations clients. We try implement new technological solutions in our machines. We invite to cooperation everyone, which appreciate proficiency and polite service.



We have abundant stock of modern machines to metalworking- gaseous, plasma and laser stoving, centre of processing CNC- turning and milling, and a lot of conventional machines to metalworking.

Our clients can see, what our machines operate, when arrive to us. Invite to get familiar with our offer!

With best regards,

Owners and employees of company SCORPION®



Why did we chosen natural and organic food branch?

Besides air and water, food is elementary fuel for human, who need it to life. Therefore food industry plays a key role and propels remaining sectors of economy. Important issue is quality of food. Our company contributes to increasing efficiency of health food production through innovative machines. In this way organic food is available for wider group of recipients. We take part in different projects, which purpose a spread of culture of eating health food products. We think, that Mother Nature gives us all things, which we need to life. Our task is appreciation and picking up it.

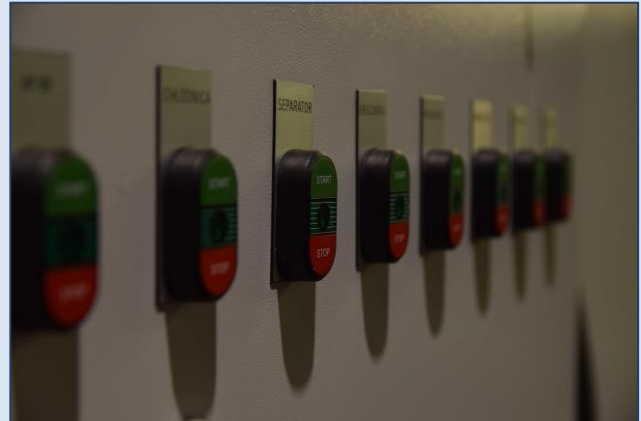
GIVING HEALTH, DELICIOUS FLAVOURS AND LUCKY FOR PEOPLE
SHINES OF OUR DAILY WORK!



THREE PILLARS OF SCORPION'S COMPANY FUNCTIONING:

- INNOVATION

Continually we're investing in new production technology. We pay attention on taking care of the environment, so our factory is equipped in heat recovery system.



- QUALITY

Care for quality of our machines is our distinguishing feature. Products on each production levels have to pass quality control. We are sure, that we make all, so that our clients will be satisfied. Good price-quality ratio ensures us wide group of clients.



- MEETING CLIENT'S EXPECTATION

Relationship with our clients is the most important issue. We try meet the requirements from first contact with clients to post-sale service. We very often realize unusual projects. Our team of engineers has big experience in design machines according to new technique solutions and clients expectation.



We respect all clients- small investors at beginning their food production adventure and thriving companies. In exchange for trust we give our clients machines, which increase their competitiveness.

SOME OF OUR PRODUCTS:

Two-chamber pneumatic tunnel

The two-chamber pneumatic tunnel is designed to separating different fractions of a particular product according to it's weight. It is used for precise separation of mineral impurities from the product, sticks from leafs, whole seeds from the chaff. It may also be used for separating cables from their covering, etc. Two-chamber pneumatic tunnel may separate a product into three fractions + dust.



Technical profile:

- capacity (depends of the kind of raw materials)	1500÷5000kg/8h
- amount of fractions	3
- width of the tunnel	700 mm
- demand for power	11 kW
- amount of engines	4
- weight	2850 kg
- dimensions lenght x width x height	9850x2200x6000

Vertical cutting machine KP-300/ KP-450

Vertical cutting machine is designed for cutting herbs, bark, roots, tobacco, wood, etc. On this machine there is also possibility to cut the material on squares. Especially it operates very well with other machines in technological lines connected with separator etc.



Technical profile:

	KP-300	KP-450
- capacity (depends of kind of raw material)	80-1000 kg/h	80-1500 kg/h
- width of cut	300 mm	450 mm
- width of main knife	320 mm	470 mm
- spacing of knife for squares cutting	4÷10 mm	4÷10 mm
- amount of knives for squares cutting	76 pcs.	114 pcs.
- width of contra- knife	320 mm	470 mm
- contra-knive amount	1 pcs.	1 pcs.
- cutting's speed	50÷450 tacts/min	50÷450 tacts/min
- lenght of cut	2÷35mm	2÷35 mm
- kind of belt (anti-static)	B 2450	B 2500
- amount of belts	3 pcs.	4 pcs.
- power of engine	7.5 kW	11 kW
- revolutions' speed	960 r. p. m.	1450 r. p. m.
- weight	3500 kg	4000 kg
- dimensions: lenght x width x height	2850x1500x2100	2850x1800x2100

Rotational Cutting Machine KR-350 / KR-700

A basic appliance of the Rotary Slicer is crumbling products in different industries: food industries, waste industry, poultry processing. In the food industry it is used for grinding dried plants, tea, herbs, spices, dried fruits, dried vegetables. There is possibility to install the inverter which allows on controlling the rotor revolution's, in order to achieve the best quality of the grounded product. The installed system of replaceable sieves allows for achieving the required fraction size.



Technical profile:

	KR-350	KR-700
- efficiency (depends of kind of raw materials)	20-1000 kg/h	40-2000kg/h
- the diameter of the rotor	360 mm	600 mm
- the length of the knife	345 mm	700 mm
- the amount of the knives	3 pcs.	10 pcs.
- the length of the contra- knife	345 mm	700 mm
- the amount of the contra- knife	3 pcs.	6 pcs.
- the speed of the rotor	897 r.p.m.	300 - 600 r.p.m.
- the shift of the belt transmission	1:1,61	1:1,6
- kind of belt (anti- static)	B 2120	SPB 2920
- the amount of belts	3-4 pcs.	5 pcs.
- the power of electric motor	5,5 - 11 kW	22 - 37 kW
- the rotational speed of electric motor	1450 r.p.m.	960 r.p.m.
- weight	420 kg	1200 kg
- overall dimensions: length x width x height	1000x720x2100	2350x1200x2026



Separator M-2

Separator M-2 is designed to sieving loose products according size fraction by means of sieves located in a working box. It is used in the herb industry for sieving: mint, hibiscus, camomile, common valerian, etc. The system of replaceable sieves allows for achieving the required fraction size.

Technical profile :

- capacity (depends of kind of raw material)	1500-5000 kg/8h
- working dimensions of sieves	960x1960 mm
- sieves' dimensions	1000x2000 mm
- amount of sieves' level	3
- amount of fractions	4
- amount of sacks filling	4
- engine's power	2,2 kW
- revolutions' speed	960 r.p.m.
- weight	700 kg
- dimensions length x width x height	2950x1600x2300

Filter cyclone

The filter cyclone is used in dust extraction systems of machines as well as in pneumatic handling systems for powdery materials. In the food industry filter cyclones are used for cleaning the air out of solid suspended particles (dust) which are formed during technological process of the raw material. They may be also used in other industries. According to the version, the filter cyclone may be used in different aspiration systems (dust extraction) and pneumatic handling systems.



Technical specification:

- filter area	5÷100 m ²
- quantity of arms	30
- arm's diameter	d=120mm
- arm's length	1000mm
- load intensity of filter cloth	1-6m ³ /min/ m ²
- filter cyclone's resistance	1000-1500Pa
- max. dust concentration in air supplied to filter cyclone	300g/ m ³
- dust removal's efficiency	99,8%
- air's demand for arm's regeneration	100-250 l/min
- compressed air pressure	0,6÷1 MPa
- valve opening time	0,1 – 0,5 s
- range of interval's control between impulses	5-60 s
- range of operation temp.	0-60° C
- dimensions length x width x height	2030x1685x3194



Mills

The mill is designed to milling herbs and spices. It is ideal for grinding other loose materials such as coffee, fruit, etc. The system of replaceable sieves allows for achieving the required fraction size.

Technical specification :

Mill type	150	200	330	460	590
- Motor power [kW]	2,2	5,5/7,5	7,5/11	15/22	60/80
- Milling capacity [kg/8h]	20-200	50-400	300-1000	900-1800	1700-3000
- Speed of the rotor [r.p.m.]	5000-10000	4000-8000	2000-4300	2000-4000	1700-3400

MORE INFORMATION ABOUT MACHINES ON WEBSITE
WWW.SCORPION.PL

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CONTACT

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